

ARCS PROCEDURE:	NAURU ADAM: CHANGE TAPES TO POP OUT EVERY FIVE DAYS	PRO(ADAM)-028.000 July 1, 1999 Page 1 of 7
Author: P. Malone		

Nauru ADaM: Change Tapes to Pop Out Every Five Days

I. Purpose:

Describes the procedure to make the ADaM tapes pop out every five days.

II. Cautions and Hazards:

None.

III. Requirements:

None.

IV. Procedure:

A. Steps:

1. Go to the X-terminal in the D-Van.
2. Logon to ADaM as **adamoper**.
3. Type the following commands to get the tapes to pop out every five days:
 - a. `cd /files0/ADaM`
 - b. `./input_config_item`
4. There will some scrolling here and it is normal.
5. Type the following commands to exit ADaM.
 - a. `exit`
 - b. `exit`
6. At the top of the telnet window, select "commands" and then "quit."
The telnet window will go away.
7. Reboot ADaM.

B. Modifying the File that Controls When the Tapes Pop Out

1. Go back to the D-van.
2. In the D-van, there should still be a window up on the X-terminal.
3. Type the following commands:
 - a. `su`
 - b. `password: <normal root password>`

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- c. `cd /files1/ADaM`
- d. `cd db/sys_config`
- e. `cp config_item.dat config_item.old`
- f. `vi config_item.dat`
- 4. A window should appear and look like the attachment called "FILE TO BE MODIFIED-BEFORE)
- 5. Using the arrow keys, move down six lines. You should be on the "days_between_archives" line.
- 6. Using the arrow keys, move the cursor to the number 7 on this line.
- 7. Press the "r" key.
- 8. Press the number 5 key. The 7 should now be a 5.
- 9. Press the following sequence of keys:
 - a. `wq`
- 10. You should now be back at the adam-net prompt.
- 11. You need to pop out the tapes on the adam side of the tape drives.
- 12. Place these tapes next to the drives.
- 13. Place a new tape in the third tape drive from the top. It should have the label `/dev/rmt/0` on it. The tape should be all the way in.
- 14. At the top of the window, choose the menu furthest to the left and then select "disconnect" or "abort connection."

C. Rebooting ADam

- 1. Label a new tape "Nauru 1218- backup compressed mode." Put the newly labeled tape in the tape drive marked `:/dev/rmt/0` in the third tape drive from the top on the adam side (left hand side).
- 2. In the D-Van and in front of the X-terminal, bring up a window and login as "adamoper."
- 3. Type in the following commands:
 - a. `su`
 - b. password is the normal root password
 - c. `cd /files1/ADaM`
 - d. `cd staging`

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- e. tar cfv /dev/rmt/0c Nauru1218 –force-local (this will take about one hour). When you have the adam-net prompt again, continue with step four.
4. Take the tape out of the third tape drive. Put it in a pile separate from the other tapes
5. Label a new tape “Nauru1211-backup compressed mode.” Put the newly labeled tape in the tape drive marked “/dev/rmt0” –third tape drive from the top on the adam side (left hand side).
6. Type the following commands:
 - a. tar cfv /dev/rmt/oc Nauru1211 –forced-local (this will take about an hour). When you have the adam-net prompt again, continue with step 7.
7. Take the tape out of the third tape drive. Put it in a pile with the last tape we just created.
8. Label a new tape “Nauru1204- backup compressed mode.” Put the newly labeled tape in the tape drive marked “/dev/rmt/0” –third tape drive from the top on the adam side (left hand side).
9. Enter the following commands:
 - a. tar cfv /dev/rmt/0c Nauru1204 –force-local (this will take about an hour). When you have the adam-net prompt again continue with step 10.
10. Take the tape out of the third tape drive. Put it in a pile with the last tape you just created.
11. At the system console, turn the dial to A.
12. Login to the system console as “root.”
13. At the adam prompt type “hamon.”
14. At the hamon prompt type “failover.” This will make eve the primary system. The system will reboot. When you have the icons on the X-terminal, proceed to the next step.
15. Label a new tape “Nauru1218- eve compressed mode.” Put the newly labeled tape in the tape drive marked “/dev/rmt/0” –third tape drive from the top on the eve side (right hand side).
16. In the D-Van and in front of the X-terminal, bring up a window and login as “adamoper.”
17. Type the following commands:
 - a. su

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- b. password is the normal root password
- c. cd /files1/ADaM
- d. cd staging
- e. tar cfv /dev/rmt/0c Nauru1218 –force-local (this will take about an hour.) When you have the adam-net prompt again continue with step 18.
- b.
- 18. Take the tape out of the third tape drive. Put it in a pile with the last tape we just created.
- 19. Label a new tape “Nauru1204- backup compressed mode.” Put the newly labeled tape in the tape drive marked “/dev/rmt/0” –third tape drive from the top on the adam side (left hand side).
- 20. Enter the following commands:
 - b. tar cfv /dev/rmt/0c Nauru1204 –force-local (this will take about an hour). When you have the adam-net prompt again continue with step 10.
- 21. Take the tape out of the third tape drive. Put it in a pile with the last tape you just created.
- 22. At the system console, turn the dial to A.
- 23. Login to the system console as “root.”
- 24. At the adam prompt type “hamon.”
- 25. At the hamon prompt type “failover.” This will make eve the primary system. The system will reboot. When you have the icons on the X-terminal, proceed to the next step.
- 26. Take the tape out of the third tape drive. Put it in a pile with the last tape we just created.
- 27. Mail these three tapes tomorrow.
- 28. Put back in the adam and eve tapes we took out before rebooting the system.
- 29. The system status icon should turn green.
- 30. Exit from the window by typing the following commands:
 - a. exit
 - b. exit
- 31. At the top of the window, select “Command” and then “Quit.” The window should go away.

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32. Go to the system console.
33. Turn the knob to B
34. Press enter and get the system console login.
35. Type the root and the password.
36. At the eve-net prompt, type "hamon."
37. Type "failover."
38. This will reboot the system. Wait until the icons come up on the X-terminal.

V. References:

None.

VI. Attachments:

1. FILE TO BE MODIFIED-BEFORE
2. FILE TO BE MODIFIED-AFTER

FILE TO BE MODIFIED-BEFORE

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```

mmexec mmr raw_device_a char /dev/rmt/0
mmexec mmp processed_dev_a char /dev/eod0g /optical0
mmexec all label_printer_dev_1 char /dev/ttya
mmexec all label_printer_dev_2 char /dev/ttyb
mmexec mmp retained_archives num 3
mmexec mmp days_between_archives num 5      <<<< Modified Line
mmexec mmr poll_interval num 120
iifexec all poll_int num 10000
iifexec all terminate_int num 300
iifexec all log_int num 604800
iifexec all verbosity char BRIEF
adam all num_clients num 4
adam all client1 char iifexec
adam all client2 char pdexec
adam all client3 char dvis
adam all client4 char mmexec
adam all client5 char upsexec
adam all client_long_name1 char Instrument_Interface_Executive
adam all client_long_name2 char Data_Processing_Executive
adam all client_long_name3 char Data_Visualizer
adam all client_long_name4 char Media_Manager_Executive
adam all client_long_name5 char UPS_Executive
adam all task_poll_interval num 60
adam all ARCS_ID char ARCS2
adam all locale char TWP
adam all site_name char Nauru
adam all hostname char adam-arcs2

```

FILE TO BE MODIFIED-AFTER

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```

mmexec mmr raw_device_a char /dev/rmt/0
mmexec mmp processed_dev_a char /dev/eod0g/optical0
mmexec all label_printer_dev_1 char /dev/ttya
mmexec all label_printer_dev_2 char /dev/ttyb
mmexec mmp retained_archives num 3
mmexec mmp days_between_archives num 5      <<<< Modified Line
mmexec mmr poll_interval num 120
iifexec all poll_int num 10000
iifexec all terminate_int num 300
iifexec all log_int num 604800
iifexec all verbosity char BRIEF
adam all num_clients num 4
adam all client1 char iifexec
adam all client2 char pdexec
adam all client3 char dvis
adam all client4 char mmexec
adam all client5 char upsexec
adam all client_long_name1 char Instrument_Interface_Executive
adam all client_long_name2 char Data_Processing_Executive
adam all client_long_name3 char Data_Visualizer
adam all client_long_name4 char Media_Manager_Executive
adam all client_long_name5 char UPS_Executive
adam all task_poll_interval num 60
adam all ARCS_ID char ARCS2
adam all locale char TWP
adam all site_name char Nauru
adam all hostname char adam-arcs2

```